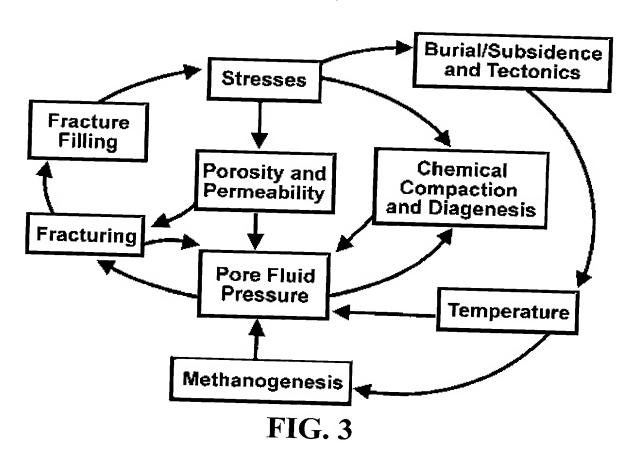
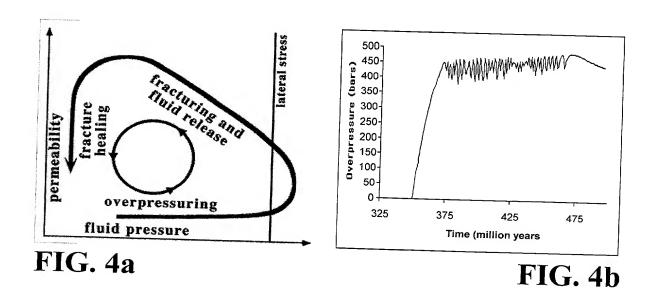


System	Producing Lithology	Tectonics	Age
			(My)
Cretaceous	Very fine-grained	Salt withdrawal,	100
(Austin Chalk)	carbonate	extensional	
Devonian	Siliciclastic, very fine-	Compression,	360
(New Albany Shale)	grained siliciclastics	faulting	
Cretaceous	Fine-grained sandstones	Compression,	70
(Mesaverde)		thrusting	
Silurian-Pennsylvanian	Variety	Deep subsidence	400-
(Anadarko Basin)		and faulting	280
Ordovician	Vuggy and fractured	Uplift, wrenching	500
(Permian Basin)	carbonate (Ellenburger,	_	
	etc.)		

FIG. 2





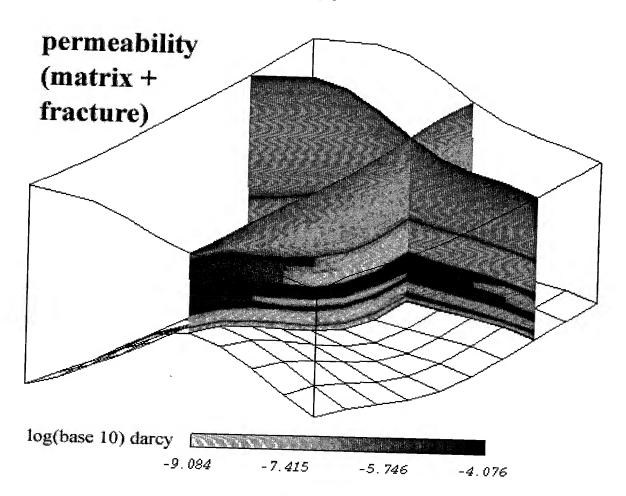
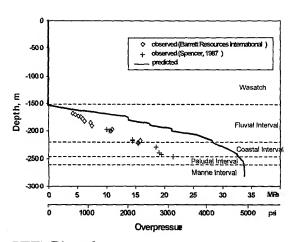


FIG. 5



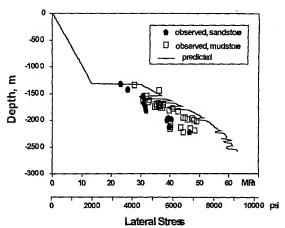
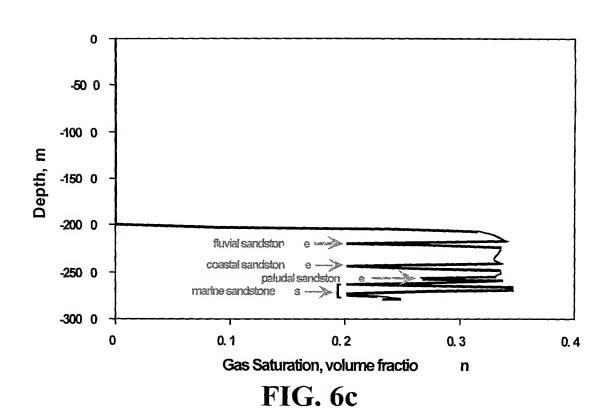
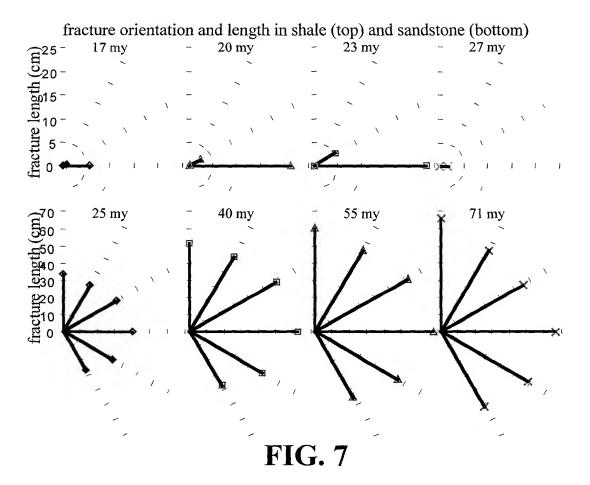
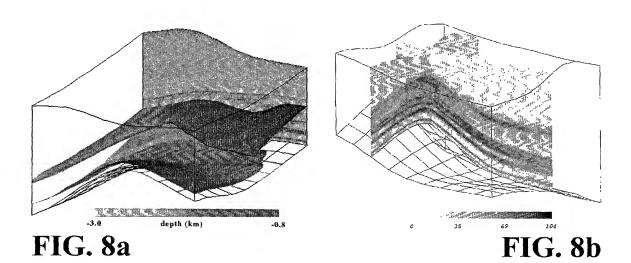


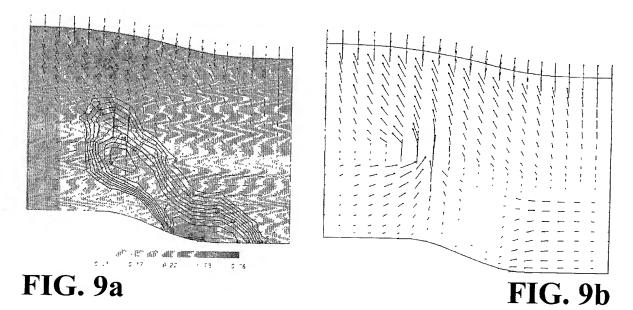
FIG. 6a

FIG. 6b









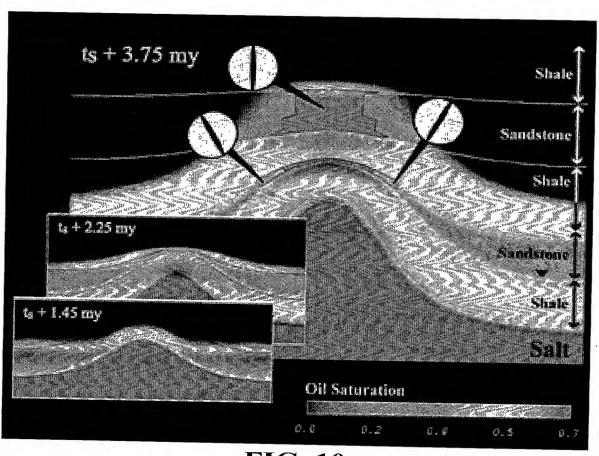


FIG. 10

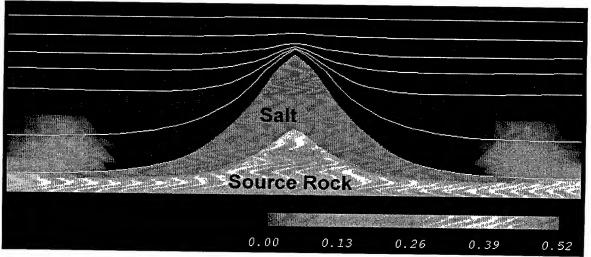


FIG. 11

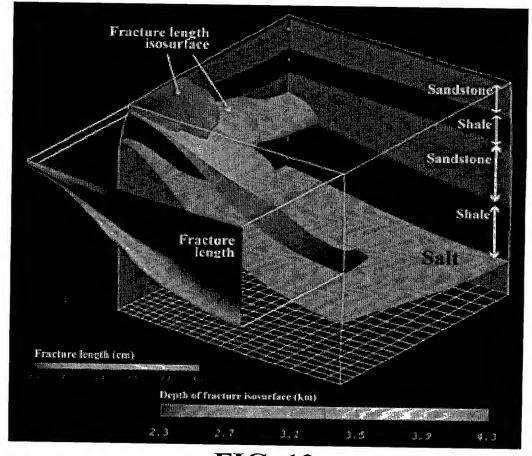


FIG. 12

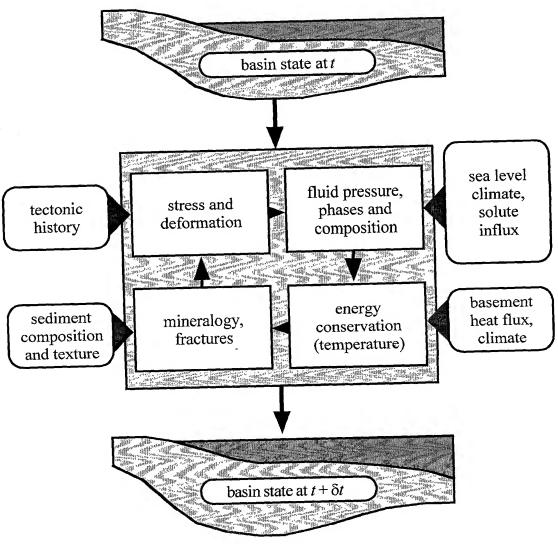


FIG. 13

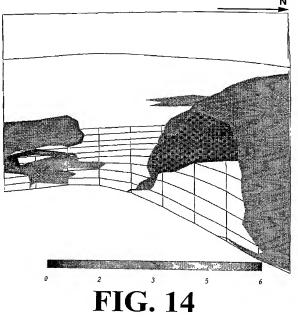
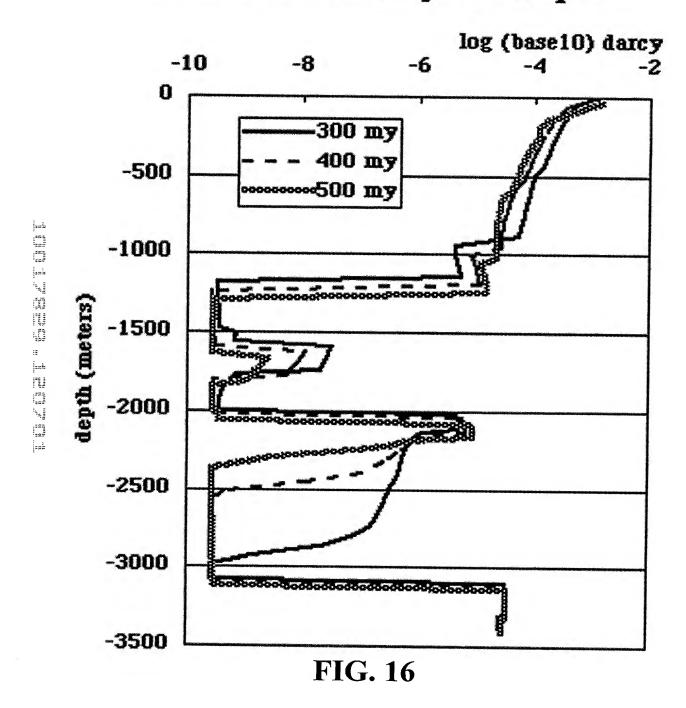


FIG. 15

Total Permeability vs. Depth



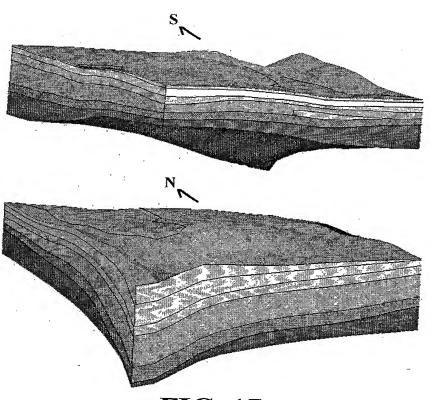
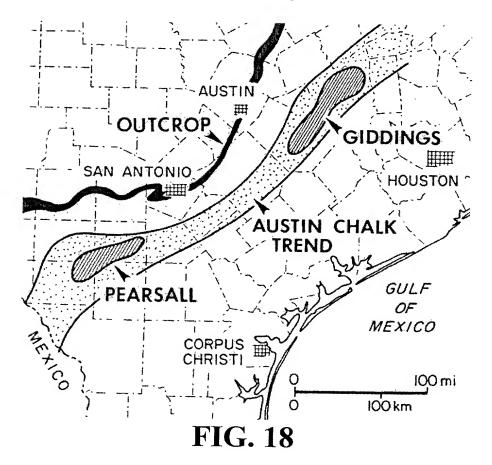
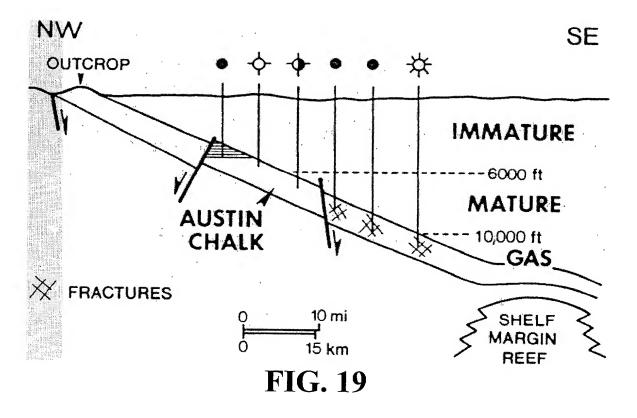


FIG. 17





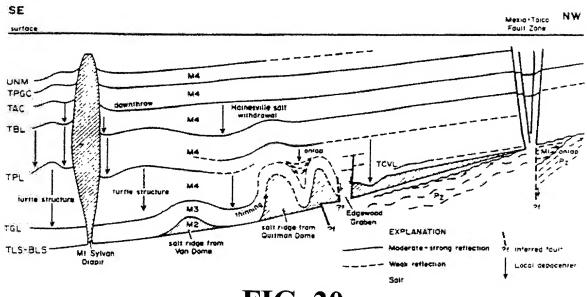
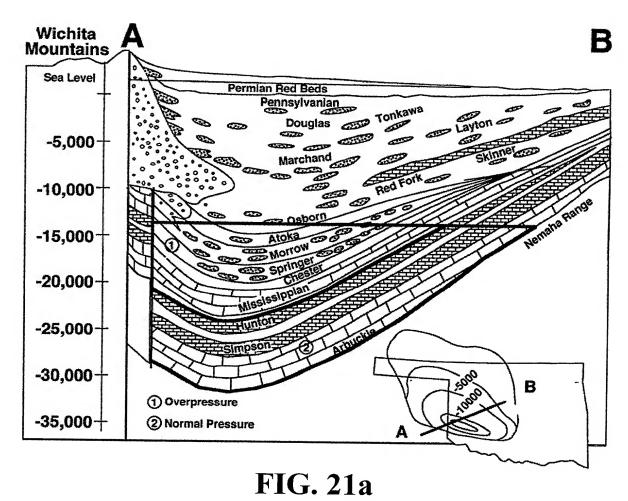


FIG. 20



-5.79

-4.80

-4.47

-4.14

-5.13

FIG. 21b

-5.46

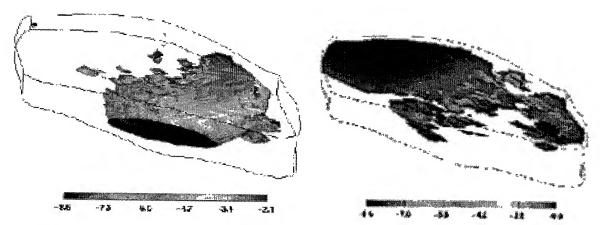


FIG. 21c

FIG. 21d

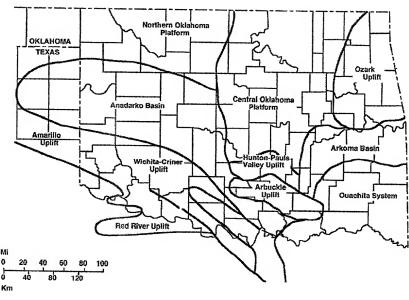
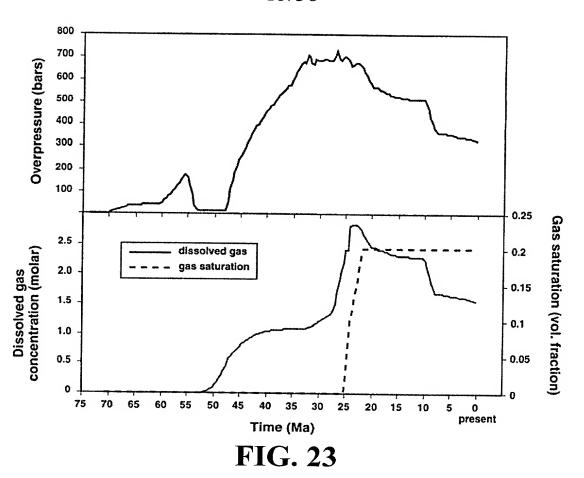
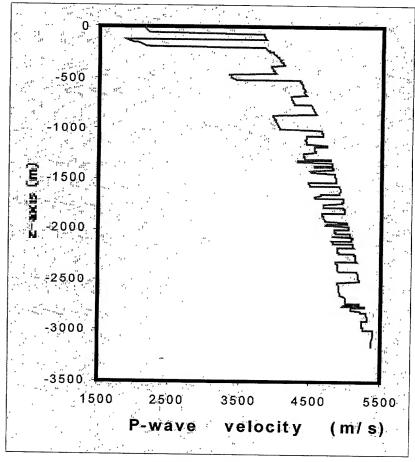


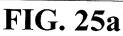
FIG. 22

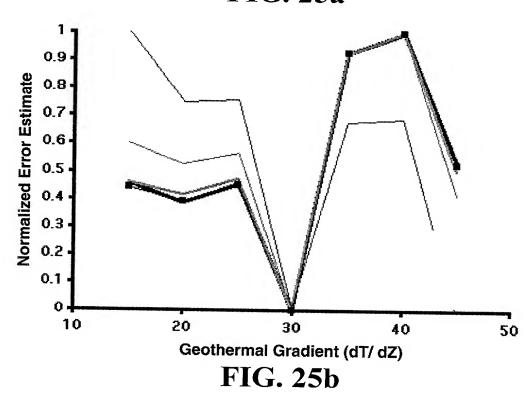


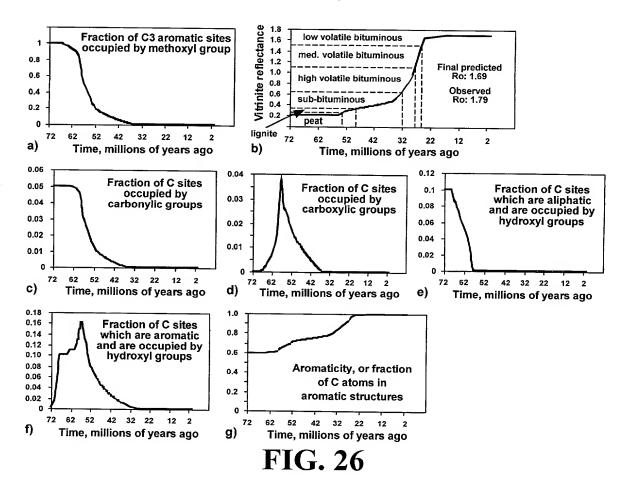
Type of Log	Formulas	Experiments
Sonic	Bourbie et al. 1987; Tittman 1986	Bourbie et al. 1987
Density	Tittman 1986	Ahmadi and Coe 1997
Gamma	Tittman 1986	Ahmadi and Coe 1997
Resistivity	Revil et al. 1997; Tittman 1986	Penicol and Jing 1997; Donaldson et al. 1991
Permeability	Bastos et al. 1998; Tittman, 1986	Bastos et al. 1998
Neutron	Revil et al. 1997; Tittman 1986	
SP	Revil et al. 1997; Tittman 1986	

FIG. 24









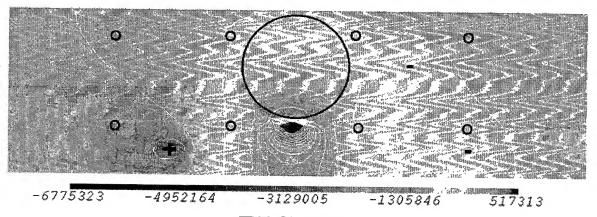


FIG. 27a

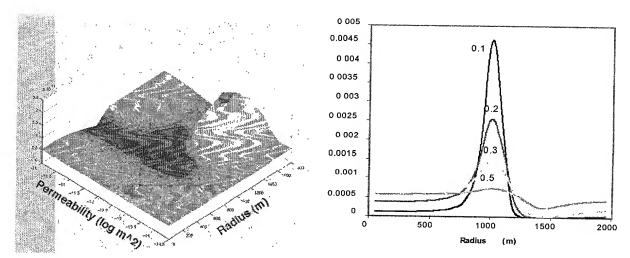
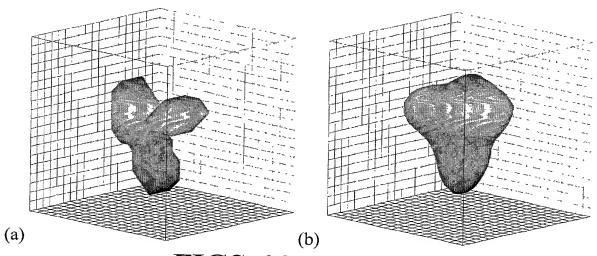


FIG. 27b

FIG. 27c



FIGS. 28a and 28b

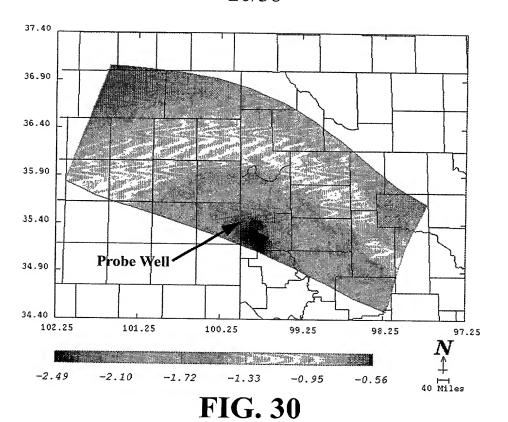
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Stratigraphic Interval	Cores	Thin Sections
1. Missourian-Virgilian	20	122
2. Desmoinesian	46	502
3. Morrowan	51	655
4. Springeran	8	79
5. Hunton		
6. Woodford	7	57
7. Simpson		
8. Arbuckle		
Total	166	2096

FIG. 29a

Data Type	# of Analysis
Wire-Line Logs	3,000
Pressure Data	5,000
Capillary Pressure	15
Vitrinite Reflectance	72
Isotopic Analysis	52
Fluid Inclusion	267
Seismic Lines	2
Tectonic History (Time Depth Profiles)	12
Permeability	35
Fracture Analysis	166

FIG. 29b



Section 36 Crosswell Data - Velocity Change Due To CO2, VGWU #94 to VGWU #81

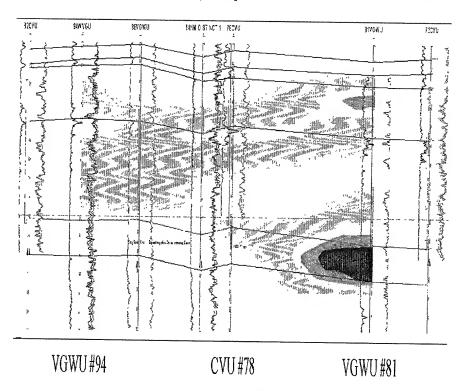
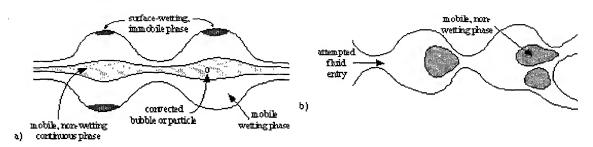
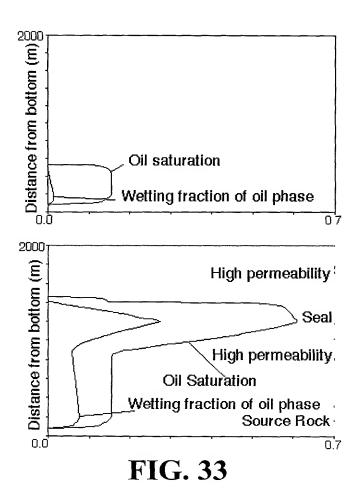
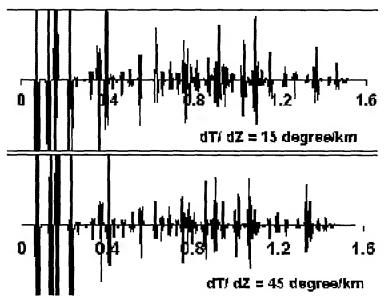


FIG. 31

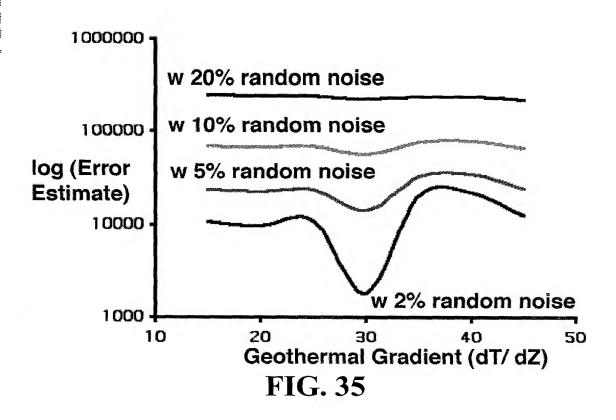


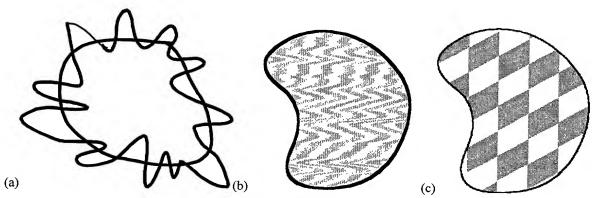
FIGS. 32a and 32b





Two-way travel time (seconds) FIG.~34





FIGS. 36a, 36b, and 36c

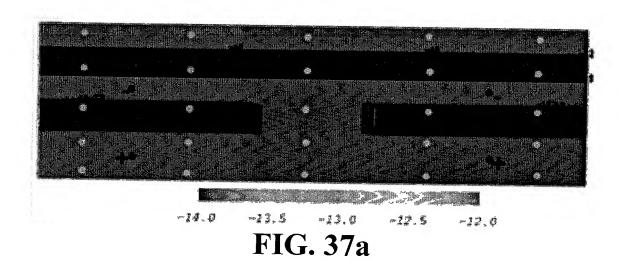
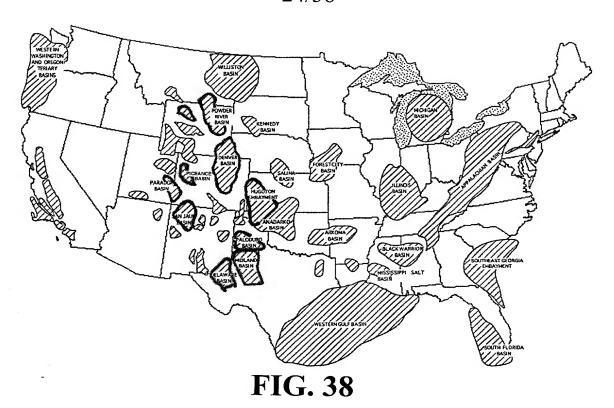
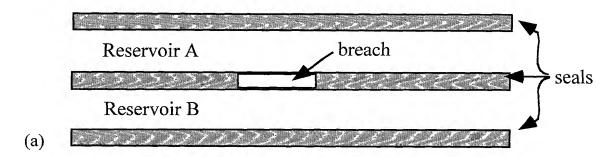
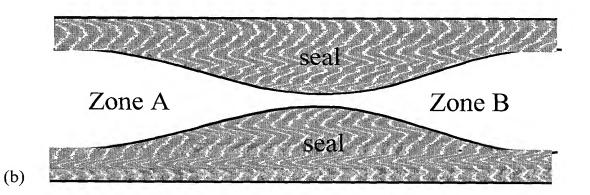
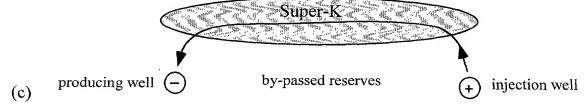


FIG. 37b

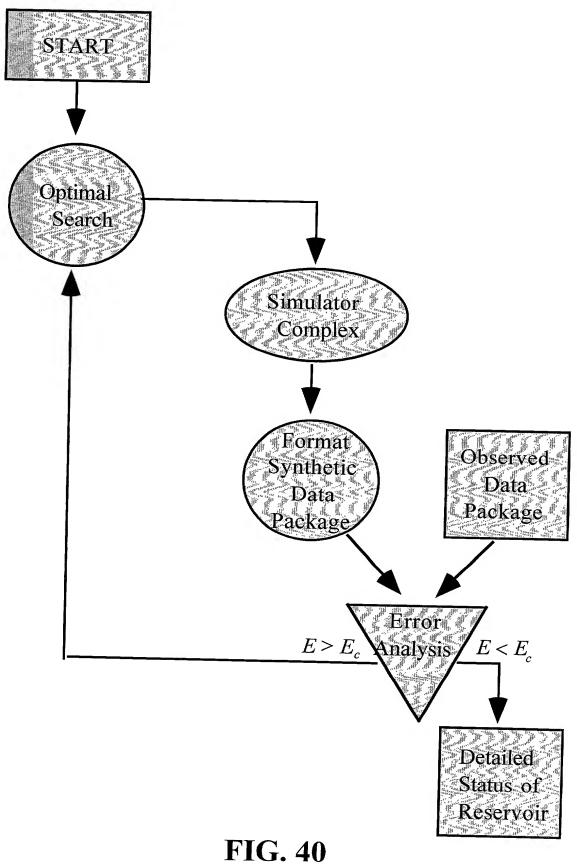


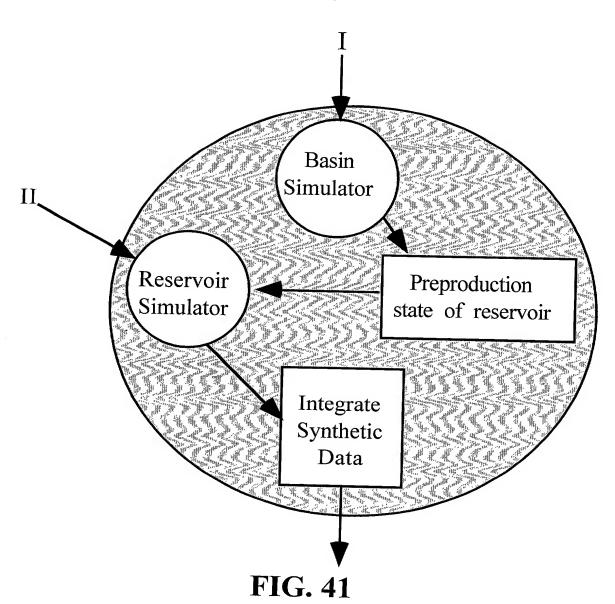


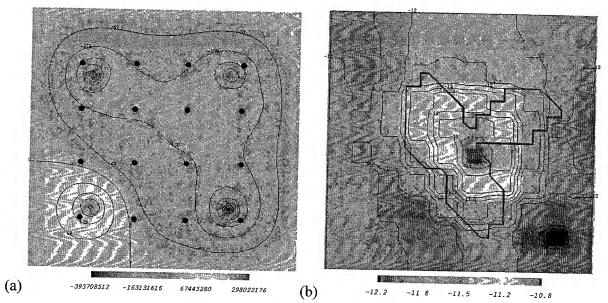




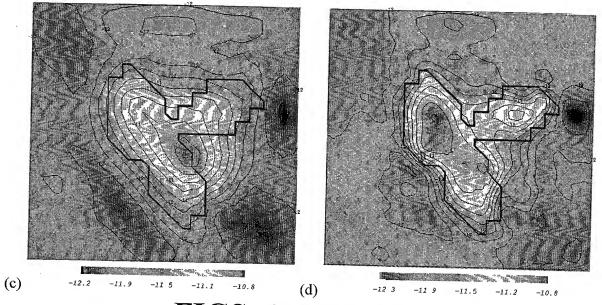
FIGS. 39a, 39b, and 39c





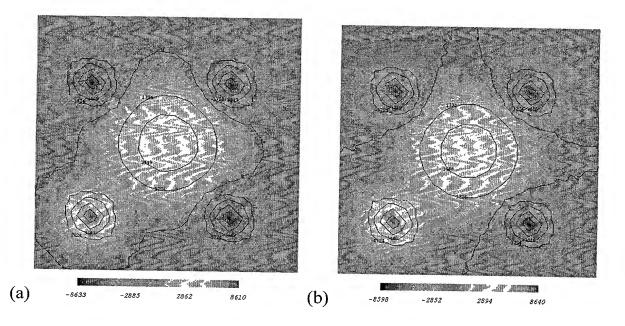


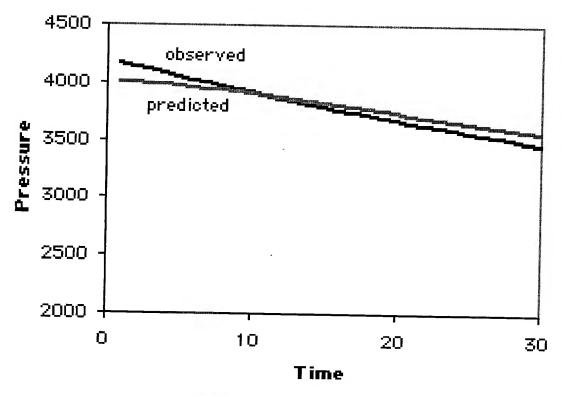
FIGS. 42a and 42b



FIGS. 42c and 42d

(c)





FIGS. 43a, 43b, and 43c

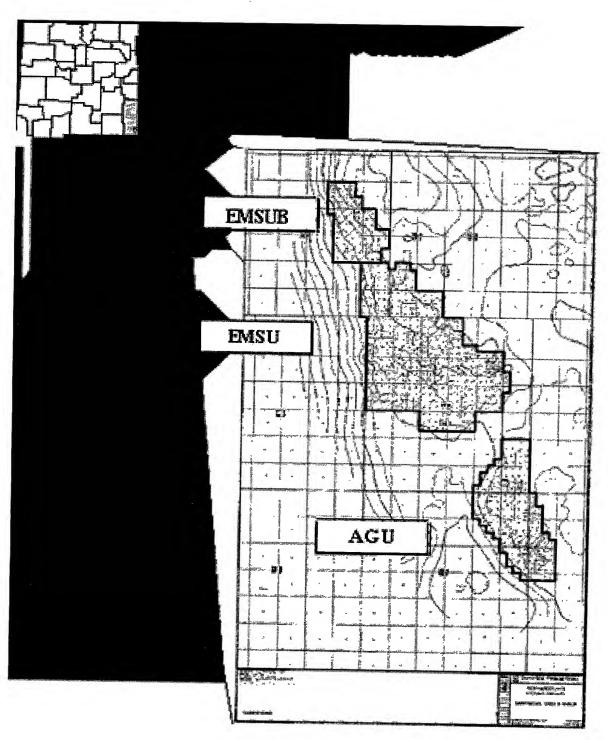
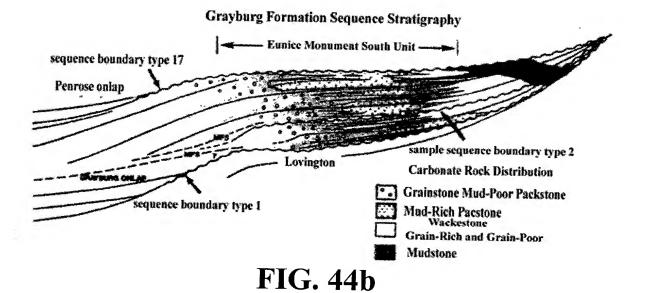
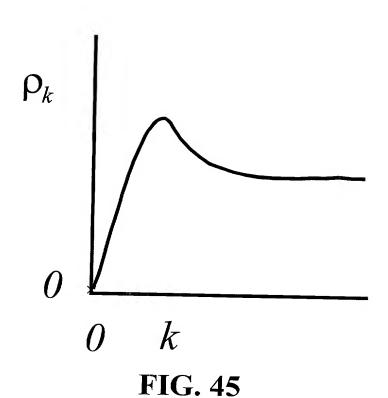
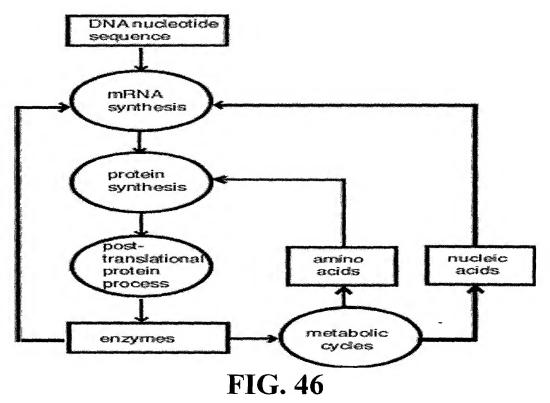
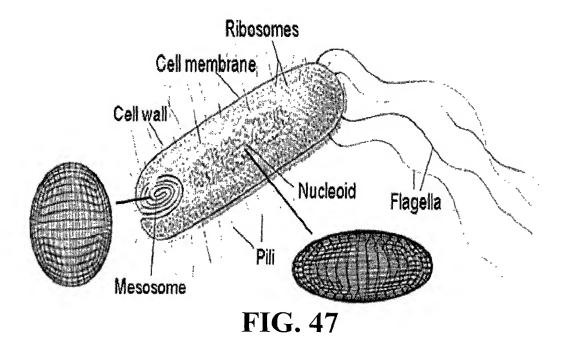


FIG. 44a









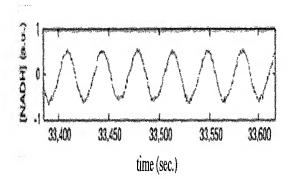


FIG. 48a

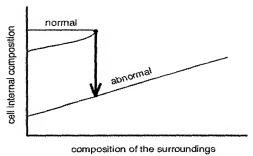


FIG. 48b

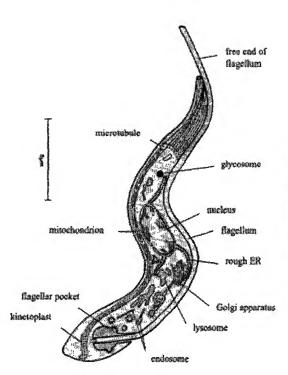


FIG. 49a

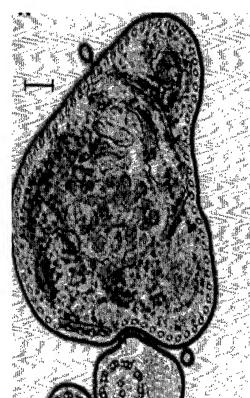
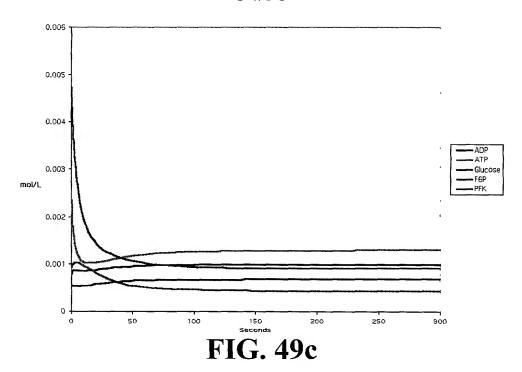
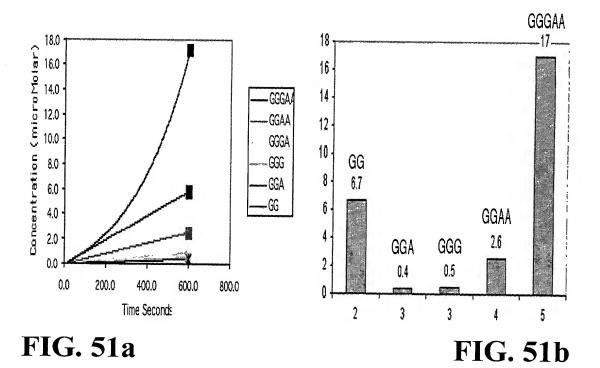


FIG. 49b



Species Name	Measured	Cyber-Cell Predicted
	Concentration (M)	Concentration (M)
Glucose		1.1x10-3
Glucose-6-phosphate	1.61x10 ⁻³	2.2x10-3
Fructose-6-phosphate	8.97x10-4	1.25x10-4
Fructose-1,6-bisphosphate	7.2x10-4	2.12x10-4
Glyceraldahyde-3-phosphate	1.75x10 ⁻⁴	1.2x10 ⁻³
Dihydroxyacetone-phosphate	2.65x10-4	18x10-3
1,3-bisphosphoglycerate	2.844x10 ⁻⁴	3x10-4
3-phosphoglycerate	4.79x10-3	1x10-3
[ATP]/[ADP]		0.909

FIG. 50



Transcription of HIV-1 Genome

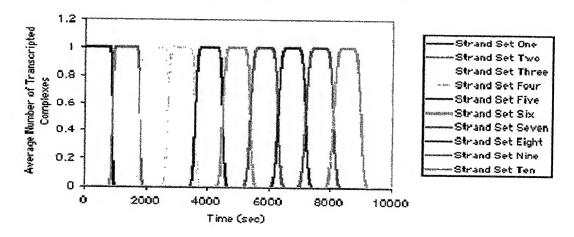
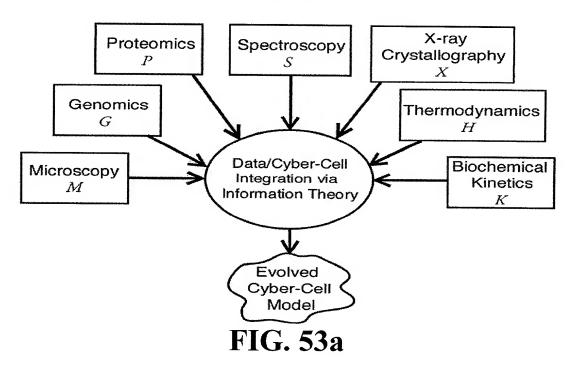
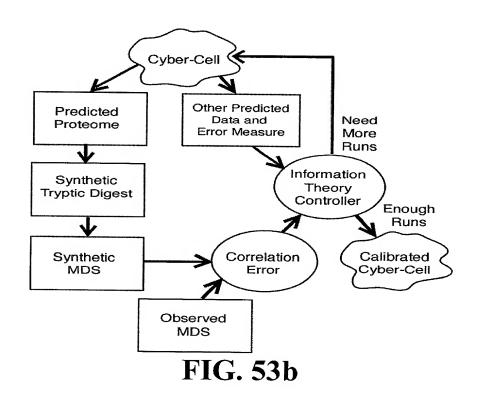


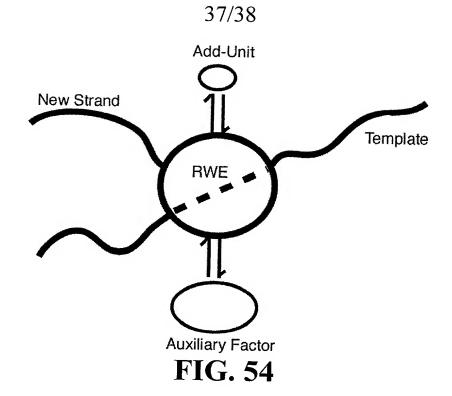
FIG. 52

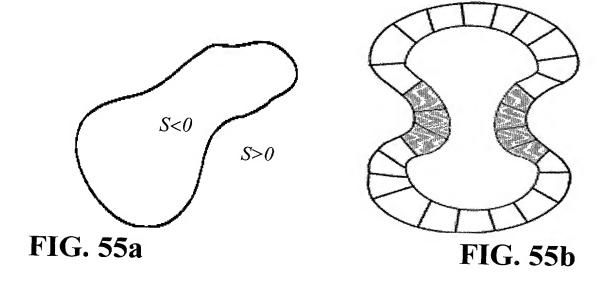
B W W San San In

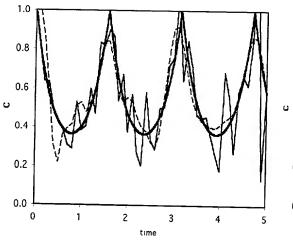












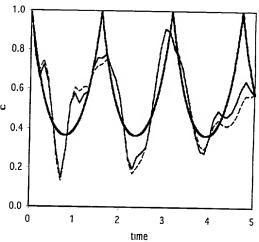


FIG. 56a

FIG. 56b

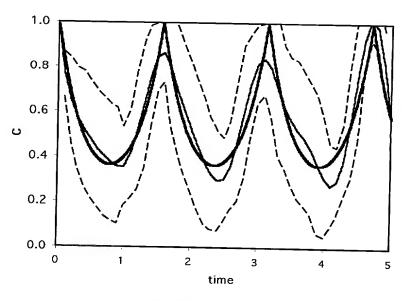


FIG. 57